This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-10 (canceled)

- 1 Claim 11 (currently amended): For use in a router having,
- 2 at a given time, a currently designated routing facility
- 3 and a current standby routing facility, a method
- 4 comprising:
- 5 a) informing an external node that the router has
- 6 redundant routing facilities;
- b) informing an external node of the [[identify]]
- 8 identity of the currently designated routing facility;
- 9 c) providing, with the currently designated routing
- 10 facility when it is in a state of being the designated
- 11 routing facility, network information to the external
- 12 node; and
- d) providing, with the current standby routing
- facility when it is in a state of being the standby
- 15 routing facility, network information to the external
- node.
- l Claim 12 (previously presented): The method of claim 11
- 2 wherein the currently designated routing facility and
- 3 current standby routing facility share a common forwarding
- 4 facility.
- 1 Claim 13 (currently amended): The method of claim 11
- 2 wherein the act of informing an external node that the
- 3 router has redundant routing facilities includes generating
- 4 and transmitting a message including an identification of
- 5 the router, <u>an</u> address [[information]] of the currently

external node, and

designated routing facility, and an address [[information]] of the current standby routing facility. 7 1 Claim 14 (original): The method of claim 11 wherein the 2 act of informing an external node that the router has 3 redundant routing facilities uses an existing BGP message format. 1 Claim 15 (currently amended): The method of claim 11 2 further comprising: 3 e) if a failure of the currently designated routing 4 facility is determined, then 5 i) electing the current standby routing facility 6 as a new designated routing facility, and ii) informing the external node of the 8 [[identify]] identity of the newly elected new designated routing facility. 1 Claim 16 (currently amended): A router comprising: 2 a currently designated routing facility; 3 b) a current standby routing facility; and 4 a signaling facility adapted for c) 5 i) informing an external node that the router 6 has redundant routing facilities, and 7 ii) informing the external node of the 8 [[identify]] identity of the currently designated 9 routing facility, 10 wherein the currently designated routing facility is 11 adapted to provide, when it is in a state of being the

12 designated routing facility, network information to the

- 14 wherein the current standby routing facility is
- 15 adapted to provide, when it is in a state of being the
- 16 standby routing facility, network information to the
- 17 external node.
- 1 Claim 17 (previously presented): The router of claim 16
- 2 wherein the currently designated routing facility has a
- 3 first internet address and the current standby routing
- 4 facility has a second internet address.
- l Claim 18 (currently amended): A network having at least
- 2 two routers, each of the at least two routers comprising:
- 3 a) a currently designated routing facility;
- 4 b) a current standby routing facility; and
- 5 c) a signaling facility adapted for
- 6 i) informing an external node that the router
- 7 has redundant routing facilities, and
- 8 ii) informing the external node of the
- 9 [[identify]] identity of the currently designated
- 10 routing facility,
- 11 wherein the currently designated routing facility is
- 12 adapted to provide, when it is in a state of being the
- 13 designated routing facility, network information to the
- 14 external node, and
- 15 wherein the current standby routing facility is
- 16 adapted to provide, when it is in a state of being the
- 17 standby routing facility, network information to the
- 18 external node.
- 1 Claim 19 (original): A machine-readable medium having
- 2 machine readable instructions stored thereon which, when
- 3 executed by a machine, effect the method of claim 11.

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Claim 20 (currently amended): For use in a router adapted
 2
    to interact with an external router having, at a given
 3
    time, a currently designated routing facility and a current
 4
    standby routing facility, a method comprising:
 5
         a) accepting, from the external router, the
 6
         [[identify]] identity of the currently designated
 7
         routing facility;
 8
             accepting, from the currently designated routing
 9
         facility of the external router when it is in a state
10
         of being the designated routing facility, network
11
         information:
12
         c) using the network information accepted from the
13
         currently designated routing facility of the external
14
         router for determining routes; and
15
             accepting, from the current standby routing
16
         facility of the external router when it is in a state
17
         of being the standby routing facility, network
18
         information, but not using it for determining routes.
1
1
    Claim 21 (previously presented): The method of claim 20
2
    further comprising:
3
             storing the network information accepted from the
4
         current standby routing facility of the external
5
        router.
1
   Claim 22 (previously presented): The method of claim 20
   further comprising:
2
3
        e) accepting, from the external router, an indication
        that the currently designated routing facility has
        failed;
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b)

6 accepting, from the external router, an indication 7 that the formerly current standby routing facility has 8 been elected as a new designated routing facility; and 9 using path information from the newly elected new 10 designated routing facility. 1 Claim 23 (currently amended): The method of claim 21 2 further comprising: 3 f) accepting, from the external router, an indication 4 that the currently designated routing facility has 5 failed; 6 g) accepting, from the external router, an indication 7 that the formerly current standby routing facility has 8 been elected as a new designated routing facility; and 9 h) using the [[stored path]] network information from 10 the formerly current standby routing facility that is 11 now the newly elected new designated routing facility. 1 Claim 24 (currently amended): A router adapted to interact 2 with an external router having, at a given time a currently designated routing facility and a current standby routing 4 facility, the router comprising: 5 a) an input for 6 accepting, from the external router, the 7 [[identify]] identity of the currently designated 8 routing facility, and 9 ii) accepting, from the currently designated 10 routing facility of the external router when it 11 is in a state of being the designated routing

facility, network information; and

a routing facility for

14		i) using the network information accepted from
15		the currently designated routing facility of the
16		external router for determining routes, and
17		ii) accepting, from the current standby routing
18		facility of the external router when it is in a
19		state of being the standby routing facility,
20	•	network information, but not using it for
21		determining routes.
1	Claim 25	(previously presented): The router of claim 24

- 2 further comprising:
- 3 a storage device for storing the network
- 4 information accepted from the current standby routing
- 5 facility of the external router.
- 1 Claim 26 (previously presented): The router of claim 24
- 2 wherein the input is further adapted for
- 3 iii) accepting, from the external router, an
- 4 indication that the currently designated routing
- 5 facility has failed, and
- 6 iv) accepting, from the external router, an
- indication that the formerly current standby
- 8 routing facility has been elected as a new
- 9 designated routing facility, and
- 10 wherein the routing facility is further adapted to use
- 11 path information from the newly elected new designated
- 12 routing facility when the input accepts the indication that
- 13 the formerly current standby routing facility has been
- elected as the new designated routing facility. 14
- Claim 27 (currently amended): The method of claim 25 1
- wherein the input is further adapted for

3 iii) accepting, from the external router, an 4 indication that the currently designated routing 5 facility has failed, and iv) accepting, from the external router, an 7 indication that the formerly current standby 8 routing facility has been elected as the a new 9 designated routing facility, and 10 wherein the routing facility is further adapted to use 11 the [[stored path]] network information that was accepted 12 from the formerly current standby routing facility and that 13 was stored, if it is newly elected as the new designated routing facility. 14 1 Claim 28 (original): A machine-readable medium having 2 machine readable instructions stored thereon which, when 3 executed by a machine, effect the method of claim 20. Claim 29 (canceled) 1 Claim 30 (currently amended): The router of claim 16 2 further comprising: 3 means for electing the current standby routing 4 facility as a new designated routing facility if a 5 failure of the currently designated routing facility 6 is determined; and

Claim 31 (new): The method of claim 11 wherein the external node is a second router which is external to the

e) means for informing the external node of the

[[identify]] identity of the newly elected new

designated routing facility.

router having, at a given time, a currently designated routing facility and a current standby routing facility.

Claim 32 (new): The method of claim 31 wherein the router and the second router belong to different autonomous systems.

Claim 33 (new): The router of claim 16 wherein the external node is a second router which is external to the router.

Claim 34 (new): The router of claim 33 wherein the router and the second router belong to different autonomous systems.

Claim 35 (new): The method of claim 20 wherein the router and the external router belong to different autonomous systems.

Claim 36 (new): The router of claim 24 wherein the router and the external router belong to different autonomous systems.